

ABSTRACT

In a refrigeration apparatus that includes a two-stage compression mechanism including a low-stage side compressor and a high-stage side compressor, during a pull-down operation in which the difference between the temperature of a target space and the outside
5 air temperature is small and a high refrigerating capacity is required, the compression ratio of the low-stage side compressor may decrease, and the capacity of the refrigeration apparatus may decrease. A refrigeration apparatus (100) includes a refrigerant circuit (10) in which a first compressor (21), a second compressor (22), a heat-source side heat exchanger (23), an expansion mechanism, and a utilization-side heat exchanger (31) are sequentially connected.
10 The refrigerant circuit (10) includes a gas-liquid separator (26), a sixth pipe (56), a second pipe (52), and a bypass pipe (59). The sixth pipe (56) guides the gas refrigerant in the gas-liquid separator (26) to a suction side of the second compressor (22). The second pipe (52) guides a refrigerant discharged from the first compressor (21) to the suction side of the second compressor (22). The bypass pipe (59) guides the refrigerant discharged from the first
15 compressor (21) to a discharge side of the second compressor (22) in a state where the refrigerant discharged from the first compressor (21) does not flow through the second pipe (52).

FIG. 1